

COVID-19 Weekly Surveillance Summary for Lane County

(As of June 21st pm)



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Introduction

This document describes a weekly snapshot of COVID-19 in Lane County. Note that the data reported here are based on continually updated investigations and represent data available at the time the data were extracted. (See “as of” date above.) A daily status update can be found on the [Lane County Website](#). Each part of this summary will help inform decisions on how to best keep the number of new COVID-19 cases to a minimum; both as a guide for decisions on lifting restrictions and to monitor when and where our more vulnerable populations need intervention.

Current Case Numbers: Week Ending Sunday June 21th

Total Cases	Deaths	Active	Recovered
106	3	21	82

Weekly Summary

COVID-19 New Cases

Last week (June 8 – 21), Lane County reported 15 new lab confirmed cases and 3 presumptive cases of COVID-19. (Presumptive means that the person has COVID-19 like symptoms and is known to be a contact of a laboratory confirmed case. They are considered “cases” even without lab confirmation.) Of the new cases:

- Symptom onset was reported between 6/1/2020 and 6/19/2020
- Seven of the cases, all in their 20s, are linked socially

This puts the county-wide total at 106 cases, with a rate of infection at 28.3 Lane County residents for every 100,000 residents. In other words, based on what we know now, about 28 in every 100,000 people have COVID-19 in Lane County.

Number of confirmed and presumptive COVID-19 cases in Lane County by case status: Week ending Sunday June 21th (these numbers will not add up to the current total cases)

Status	New in Week Ending June 21	Previous Total
Confirmed Case	15	87
Presumptive Case	3	1
Deaths	0	3
Vent	0	0
ICU	0	0
Hospital	0	18
Recovered	2	80

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COVID-19 Testing

Including hospital laboratories, Oregon State Public Health Laboratory, and commercial laboratories, in the weekend ending June 21, Lane County:

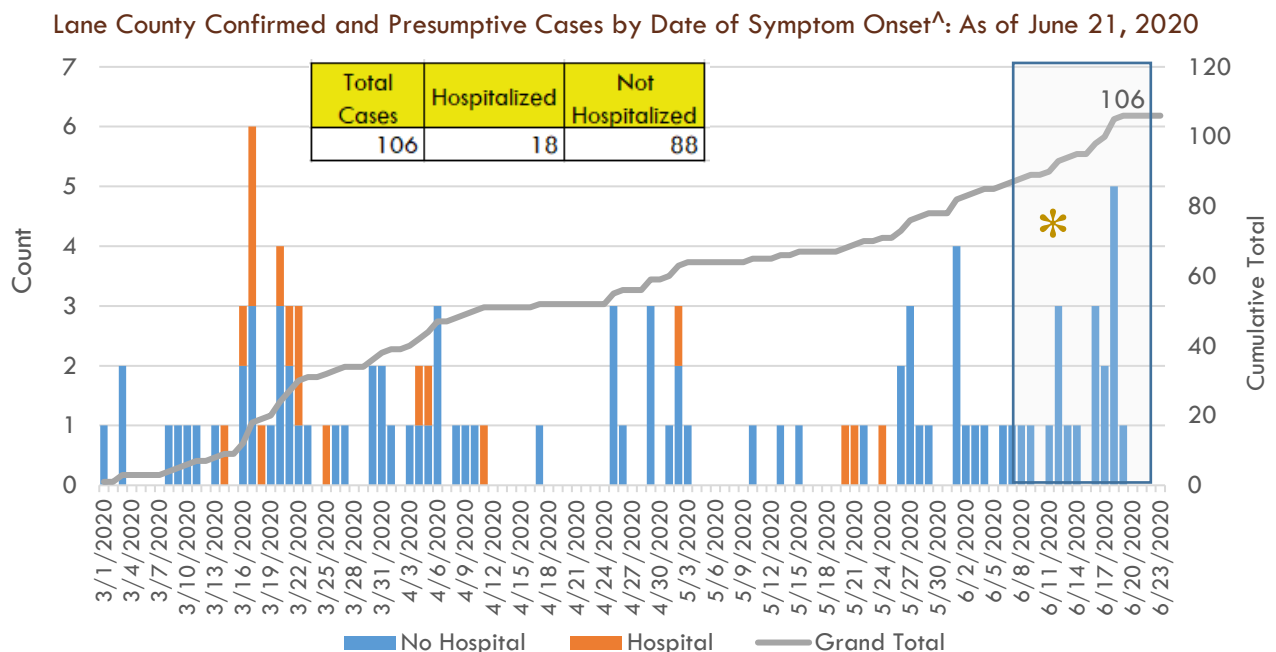
- completed at least 3,777 tests
- averaging 540 tests per day
- bringing us to a total of 19,317 since the beginning of February

This is up more than 165 tests per day over the last week, where we averaged 373 tests per day. Our goal is to have 500 tests per day be performed. In the past week, we reached that number three times. This metric is important for releasing restrictions; as we need to prove that we have the capability of doing enough testing, very quickly, in the event of an outbreak.

Epidemiological Curve of COVID-19 in Lane County

The figure below shows the number of COVID-19 cases in Lane County from the date of symptom onset; or the day the individual started feeling symptoms. The figure also shows if cases were ever hospitalized for their illness (in orange). This the epidemiological curve is used to identify where an outbreak may have started and track where we are in an outbreak. When we say “flatten the curve” this is the curve we’re talking about. The gray line represents the total cases over time.

One of the measures used to guide the county’s ability to move through the phases of reduced restrictions is how much the number of new cases increase from one week to the next. The number of new cases has been increasing each week, from four to seven to 18 over the past three weeks; however, Lane County’s rate of cases remains relatively low compared to other counties in the state. Thanks to the early interventions of frequent handwashing, closing schools, working from home, and physical distancing from non-household members, Lane County has managed to keep the curve reasonably flat from the beginning.



[^] Note that the dates represented here are by symptom onset and not the day they were reported to Public Health

* Infections that begin during this time period may not yet be reported

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COVID-19 Contact Tracing

In order to better monitor for new infections as we ease restrictions, Public Health started actively monitoring contacts of new cases as of May 1. These are people identified as being at greater risk of infection because they have been in close proximity to a known case, been associated with a known outbreak or have traveled from somewhere deemed high risk by the Division of Global Migration and Quarantine (DGMQ). (Currently, DGMQ notifications include people returning from cruise ships and people who have sat close to a known case on an airplane.) All contacts are quarantined at home for 14 days and touch base with a public health contact tracer once a day to monitor for any COVID-19 like symptoms.

Four of the 18 cases from last week are contacts via work or household to previously known cases. In other words, we used contact tracing to reach out to the contacts of known cases to see if they needed testing and advise on quarantine recommendations. Capturing these four cases is good news for Lane County. It demonstrates our ability to find new cases via contact tracing; get them quarantined and into care, if necessary. Then, we start the case investigation and contact tracing process again with these new cases.

From the 55 COVID-19 cases diagnosed since May 1st, there have been 183 people identified for monitoring in Lane County; 124 of which have completed their quarantine period. More information about contact tracing and the rate of conversion to case will be presented as more data are available.

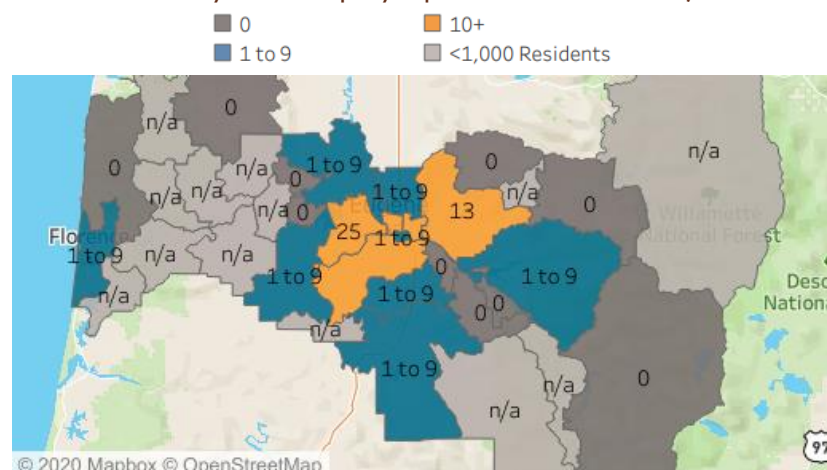
COVID-19 across Lane County

The figure below represents the number of COVID-19 cases in Lane County by county zip code.

To protect the identities of our residents, only zip codes with more than 1,000 residents and 10 or more cases will have specific case numbers.

Currently, almost all of the cases are in the center of the county, closer to the more populous Eugene and Springfield areas. There has been less than 10 cases on the coast, but none in eastern Lane County. Almost 75% of our cases are concentrated in five adjacent zip codes, representing North, South and West Eugene, as well as the Eastern part of Springfield.

Lane County Case Map by Zip Code: As of June 21, 2020

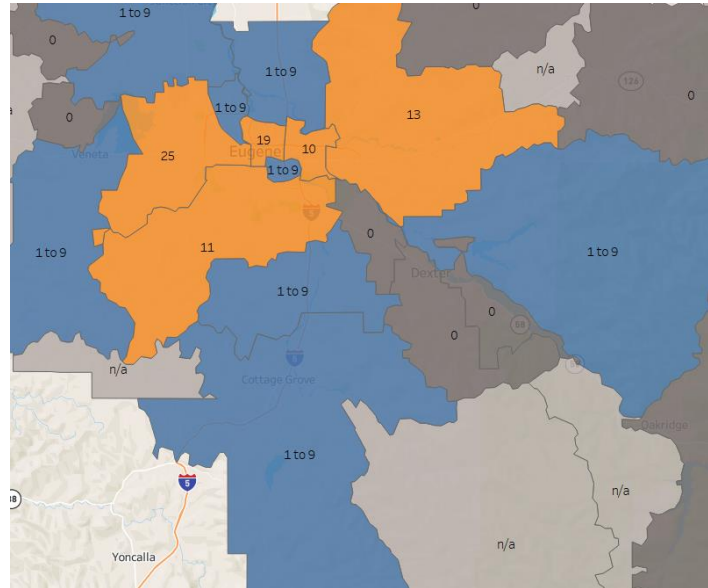


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Central Lane County Case Map by Zip Code: As of June 21, 2020

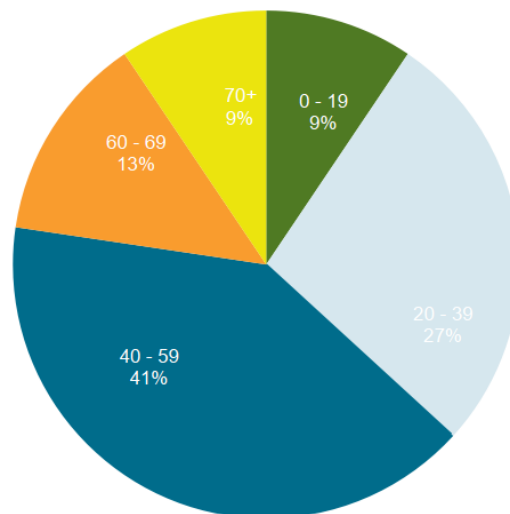


COVID-19 Case Demographics

Gender/sex: Of our cases, 58 (55%) are male.

Age: 9% of our cases were less than 20 years old. 41% of our cases have been between 40 and 59. This is similar to what is reported at the Oregon State Level. (The Oregon weekly report can be found [here](#).) Due to the cluster of cases in adults in their early 20s, the percent of cases between 20-39 years of age increased from 22% to 27%.

Lane County COVID-19 cases by age group: As of June 21, 2020



Race/ethnicity: 50% of our cases are white. The second most reported race group is “Other”. The Oregon weekly report has similar data for race.

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Notably, while our Latinx community makes up only 9.1% of the Lane County population, they represent at least 34% of our cases. This highlights the disparity of disease burden in our Latinx population; and is an example of data helping to signal areas that need further attention and intervention.

Lane County COVID-19 Cases by Identified Race and Latinx Status: As of June 21, 2020

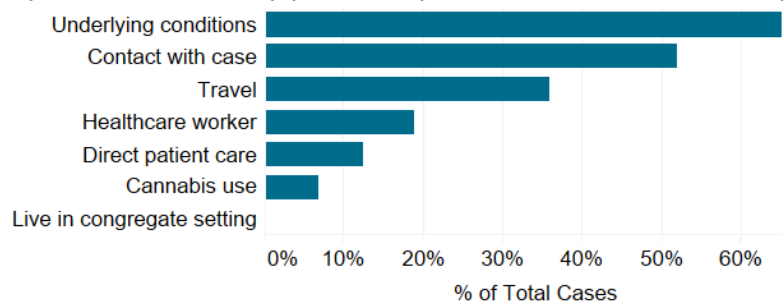
Race	Percent*	Latinx	Percent
American Indian/Alaskan Native	<5 cases	No	57.5%
Black	<5 cases	Yes	34.0%
Multiple	5.7%	Unknown	8.5%
Other	28.3%		
Refused	<5 cases		
White	50.0%		
Unknown	10.4%		

*Those races with fewer than 5 cases are marked at "<5 cases"

Potential Risk Factors for COVID-19 Infection

Some individuals may be more likely to be infected with COVID-19 due to differences in exposure risk. A number of factors may influence a person's risk of exposure or infection; such as, their current health condition, the type of work they do, or their housing circumstances. Those individuals who work in health care settings may be at particular risk due to their proximity to cases. People living in congregate spaces (long term care facilities, dorms, jails) may have a harder time keeping shared spaces clean or maintain physical distancing. Identifying the factors that may put people at increased risk of COVID-19 infection helps inform valuable targeted testing programs.

Lane County COVID-19 cases by percent of potential risk factors: As of May 21, 2020



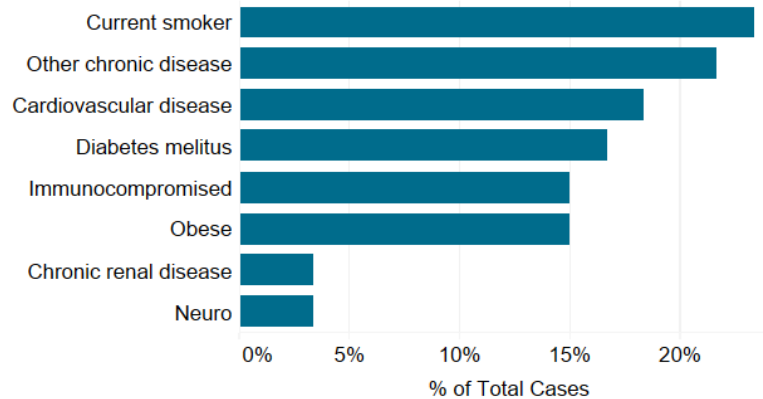
By far, the most common risk factor for more severe disease in Lane County is having an underlying health condition. As more data become available, we'll be able to further investigate the proportion of those with specific underlying conditions compared to the severity (based on hospitalization type) of disease.

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Lane County COVID-19 cases by reported pre-existing condition: As of June 21, 2020

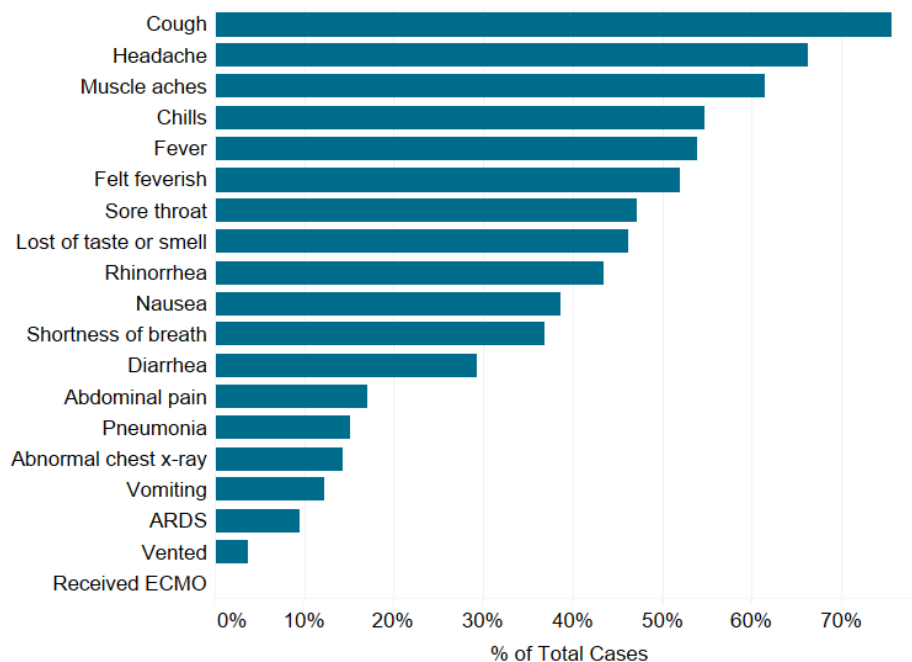


Note that several of these risk factors were not collected from the beginning case finding in Oregon. Also, in some cases we were unable to get an answer from the case due to interview limitations. Therefore, the number of reported risk factors are likely underestimated.

Lane County COVID-19 Cases – Signs and Symptoms

The most common symptom seen in our cases is coughing (77%). This is followed by headache, muscle ache and chills 66%, 62%, 55%, respectively.

Lane County COVID-19 cases by reported signs and symptoms: As of June 21, 2020



Note that several of these signs and symptoms were not collect from the beginning of the cases in Oregon. Also, in some cases we were unable to get an answer from the case due to interview limitations. Therefore, the number of reported signs and symptoms are likely underestimated.

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Hospitalizations

To date, there have been 18 cases hospitalized. Of those:

- 44% were in ICU
- 22% were on a ventilator

Gender/sex: Of the 18 cases that have been hospitalized so far, 83% were male.

Ethnicity: 39% of our hospitalized cases were Latinx. This underscores the disproportionate burden of disease on our Latinx population.

Targeted Testing

In May, Lane County began targeted testing. Testing this way allows us to focus efforts on places or populations that may be more vulnerable to exposure to COVID-19; as discussed in the risk factors section above. This helps us to find cases that might not have been found otherwise, get them into care and start contact tracing to stem the spread of infection.

Lane County COVID-19 Targeted Testing: As of June 21, 2020

Site Type	Testing Events June 15 - 21		Total Testing Events	
	Events	Tests	Events	Tests
Corrections*	1	15	10	134
Latinx Locations	1	12	4	126
LTCF/SNF^	1	89	9	655
Shelters	1	34	15	264
Grand Total	4	150	38	1,179

*Including those currently in a correctional facility or recently paroled

^Long Term Care Facilities/Skilled Nursing Facilities

Of these tests:

- 26% were staff of the LTCF, Shelters or correctional facilities
- no cases have been identified from LTCF or shelters
- there were four cases identified from testing at corrections sites and seven from Latinx testing events

More detail will be presented as the data become available.